

10/776,837

=> file caplus

FILE 'CAPLUS' ENTERED AT 11:11:17 ON 04 JAN 2005

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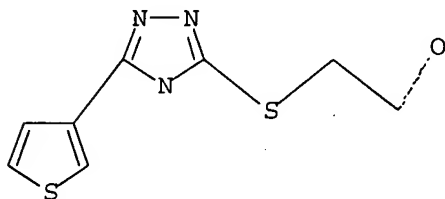
FILE COVERS 1907 - 4 Jan 2005 VOL 142 ISS 2

FILE LAST UPDATED: 3 Jan 2005 (20050103/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 87 SEA FILE=REGISTRY SSS FUL L1

L4 2 SEA FILE=CAPLUS L3

=> d l4 1-2 ibib abs hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:722918 CAPLUS

DOCUMENT NUMBER: 141:201720

TITLE: Novel anthelmintic and insecticidal compositions containing triazole derivatives

INVENTOR(S): Lee, Byung Hyun; Larsen, Martha Jane; Kubiak, Teresa Maria

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 17 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004171650	A1	20040902	US 2004-776837	20040211
NL 1025541	A1	20040824	NL 2004-1025541	20040220

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PRIORITY APPLN. INFO.:

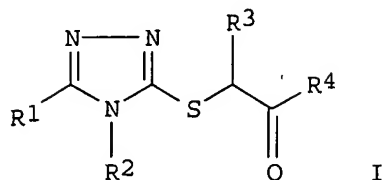
US 2003-449239P

P 20030221

OTHER SOURCE(S):

MARPAT 141:201720

GI



AB Novel anthelmintic and insecticidal compns. contain triazole derivs. (I; wherein R1, R2, and R4 = independently H, C1-8 alkyl, (un)substituted Ph, (un)substituted benzyl, (un)substituted heteroaryl, and (un)substituted heteroarylmethylene; R3 = H, C1-8 alkyl, heteroalkyl, cycloalkyl, aryl, heteroaryl) as active ingredients. Parasitism by insects or helminths is treated by administering to a mammal a therapeutically effective amount of I or a pharmaceutically acceptable salt.

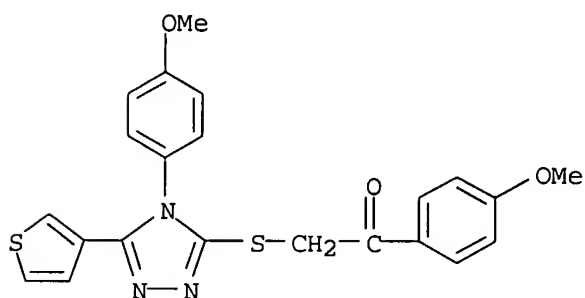
IT 743477-56-7 743477-57-8

RL: AGR (Agricultural use); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(anthelmintic and insecticidal compns. containing triazole derivs. for controlling mammalian parasites)

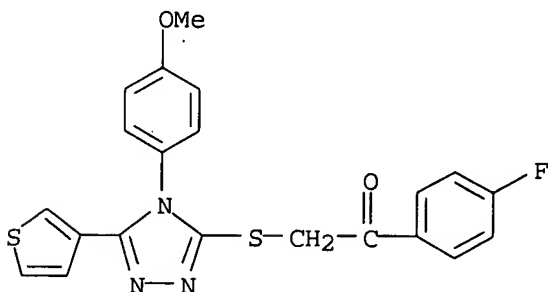
RN 743477-56-7 CAPLUS

CN Ethanone, 1-(4-methoxyphenyl)-2-[[4-(4-methoxyphenyl)-5-(3-thienyl)-4H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)



RN 743477-57-8 CAPLUS

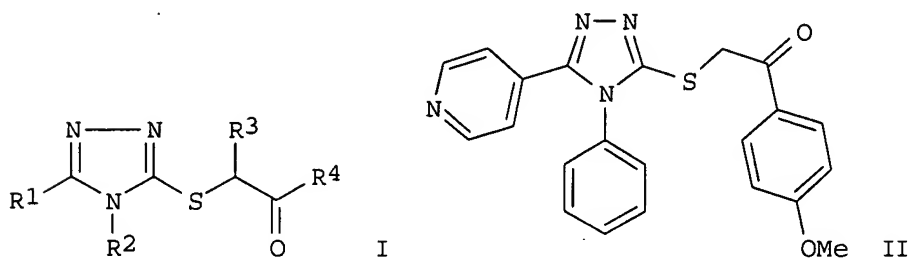
CN Ethanone, 1-(4-fluorophenyl)-2-[[4-(4-methoxyphenyl)-5-(3-thienyl)-4H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)



10/776,837

ACCESSION NUMBER: 2004:718530 CAPLUS  
 DOCUMENT NUMBER: 141:243555  
 TITLE: Preparation of carbonylmethylthio triazoles as anthelmintic and insecticidal agents  
 INVENTOR(S): Lee, Byung Hyun; Larsen, Martha Jane; Kubiak, Teresa Maria  
 PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004074272	A1	20040902	WO 2004-IB465	20040211
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
NL 1025541	A1	20040824	NL 2004-1025541	20040220
PRIORITY APPLN. INFO.:			US 2003-449239P	P 20030221
OTHER SOURCE(S):			MARPAT 141:243555	
GI				



AB The invention relates to novel anthelmintic and insecticidal compns. in general, and, more specifically, compns. containing carbonylmethylthio triazole derivs. of formula I [wherein R<sub>1</sub>, R<sub>2</sub>, and R<sub>4</sub> independently are H, alkyl, (un)substituted Ph/benzyl/heteroaryl/heteroarylmethylene; R<sub>3</sub> is H, (hetero)cycloalkyl, (hetero)aryl] as active ingredients. Compds. I with 7 specific exclusions are also claimed per se. Parasitism by insects or helminths is treated by administering to a mammal a therapeutically effective amount of I or a pharmaceutically acceptable salt. Thus, compound II was obtained in three steps via addition of isonicotinic hydrazide with Ph isothiocyanate, intramol. cyclization in aqueous NaOH, and alkylation with 2-chloro-1-(4-methoxyphenyl)ethanone. The compds. showed anti-parasitic activity with IC<sub>50</sub> of 0.00018-14600 nM (54 nM for II) in an allatostatin receptor binding assay, and anthelmintic activity in an Ascaris suum

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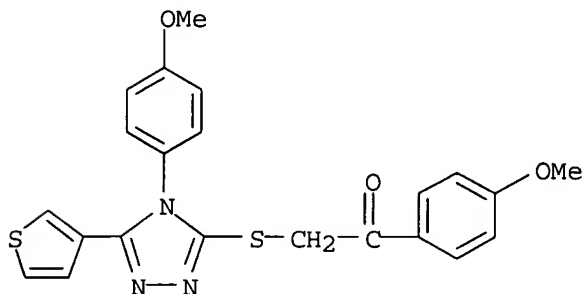
muscle tension assay (II had excitatory activity at a concentration of 30  $\mu$ M).

IT 743477-56-7P 743477-57-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(drug candidate; preparation of carbonylmethylthio triazoles as anthelmintic and insecticidal agents)

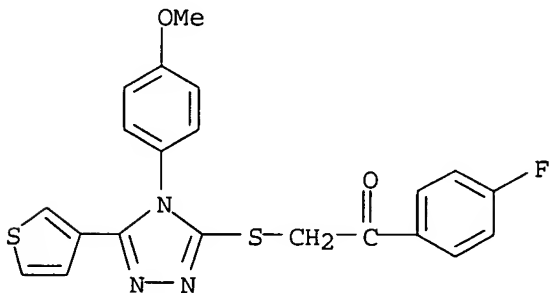
RN 743477-56-7 CAPLUS

CN Ethanone, 1-(4-methoxyphenyl)-2-[[4-(4-methoxyphenyl)-5-(3-thienyl)-4H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)



RN 743477-57-8 CAPLUS

CN Ethanone, 1-(4-fluorophenyl)-2-[[4-(4-methoxyphenyl)-5-(3-thienyl)-4H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> => file uspatall

FILE 'USPATFULL' ENTERED AT 11:12:12 ON 04 JAN 2005

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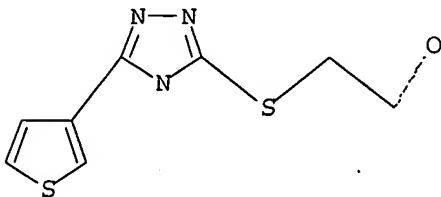
FILE 'USPAT2' ENTERED AT 11:12:12 ON 04 JAN 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que

L1

STR



10/776,837

Structure attributes must be viewed using STN Express query preparation.

L3 87 SEA FILE=REGISTRY SSS FUL L1

L5 1 SEA L3

=> d 15 ibib abs hit

L5 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2004:221878 USPATFULL

TITLE: Novel anthelmintic and insecticidal compositions

INVENTOR(S): Lee, Byung Hyun, Kalamazoo, MI, UNITED STATES

Larsen, Martha Jane, Kalamazoo, MI, UNITED STATES

Kubiak, Teresa Maria, Richland, MI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171650	A1	20040902
APPLICATION INFO.:	US 2004-776837	A1	20040211 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-449239P	20030221 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PHARMACIA & UPJOHN, 301 HENRIETTA ST, 0228-32-LAW, KALAMAZOO, MI, 49007	

NUMBER OF CLAIMS: 6

EXEMPLARY CLAIM: 1

LINE COUNT: 1111

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel anthelmintic and insecticidal compositions in general, and, more specifically, compositions containing triazole derivatives as active ingredients.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT	325693-94-5	325694-00-6	325694-03-9	325694-22-2	326881-81-6
	332922-94-8	338426-02-1	496775-68-9	496777-11-8	496777-70-9
	498546-23-9	501113-01-5	501113-02-6	556055-08-4	714934-83-5
	743477-43-2	743477-44-3	743477-45-4	743477-46-5	743477-47-6
	743477-48-7	743477-49-8	743477-50-1	743477-51-2	743477-52-3
	743477-53-4	743477-54-5	743477-55-6	<b>743477-56-7</b>	

**743477-57-8**

(anthelmintic and insecticidal compns. containing triazole derivs. for controlling mammalian parasites)

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